RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/583,249_

Source: _I/EWP_

Date Processed by STIC: _6/27/06_

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IFWP

RAW SEQUENCE LISTING   DATE: 06/27/2006
PATENT APPLICATION: US/10/583,249   TIME: 12:21:02

Input Set : **A:\Q95566 Sequence Listing.txt**
Output Set: **N:\CRF4\06272006\J583249.raw**

```
 3 <110> APPLICANT: KUBICKA, Stefan
 4        KUHNEL, Florian
 5        SCHULTE, Bernd
 7 <120> TITLE OF INVENTION: ADAPTER FOR COUPLING A SUBSTANCE WHICH IS TO BE COUPLED TO A
CELL
 8        SURFACE
10 <130> FILE REFERENCE: Q95566
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C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/583,249
C--> 12 <141> CURRENT FILING DATE: 2006-06-16
     12 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/014419
     13 <151> PRIOR FILING DATE: 2004-12-17
     15 <150> PRIOR APPLICATION NUMBER: EP 03 029 139.7
     16 <151> PRIOR FILING DATE: 2003-12-18
     18 <160> NUMBER OF SEQ ID NOS: 11
     20 <170> SOFTWARE: PatentIn version 3.3
     22 <210> SEQ ID NO: 1
     23 <211> LENGTH: 33
     24 <212> TYPE: DNA
     25 <213> ORGANISM: Artificial Sequence
     27 <220> FEATURE:
     28 <223> OTHER INFORMATION: human Coxsackie Adenovirus Receptor (hCAR) 5'-Primer
     31 <220> FEATURE:
     32 <221> NAME/KEY: misc_recomb
     33 <222> LOCATION: (3)..(8)
     34 <223> OTHER INFORMATION: KpnI restriction site
     36 <220> FEATURE:
     37 <221> NAME/KEY: misc_feature
     38 <222> LOCATION: (9)..(11)
     39 <223> OTHER INFORMATION: translation start codon of hCAR
     41 <400> SEQUENCE: 1
     42 gtggtaccat ggcgctcctg ctgtgcttcg tgc                                33
     45 <210> SEQ ID NO: 2
     46 <211> LENGTH: 42
     47 <212> TYPE: DNA
     48 <213> ORGANISM: Artificial Sequence
     50 <220> FEATURE:
     51 <223> OTHER INFORMATION: human Coxsackie Adenovirus Receptor (hCAR) 3'-Primer
     54 <220> FEATURE:
     55 <221> NAME/KEY: misc_recomb
     56 <222> LOCATION: (3)..(10)
     57 <223> OTHER INFORMATION: NotI restriction site
     59 <220> FEATURE:
     60 <221> NAME/KEY: misc_feature
     61 <222> LOCATION: (11)..(42)
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    62 <223> OTHER INFORMATION: complementary bases, corresponding to bases 776 to 807 of
hCAR
    63         (accession no. NM 001338)
    65 <400> SEQUENCE: 2
    66 tagcggccgc ctttatttga aggagggaca acgtttagac gc                          42
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    70 <211> LENGTH: 75
    71 <212> TYPE: DNA
    72 <213> ORGANISM: Artificial Sequence
    74 <220> FEATURE:
    75 <223> OTHER INFORMATION: 5'-PCR primer for HIV tat basic region
    78 <220> FEATURE:
    79 <221> NAME/KEY: misc_recomb
    80 <222> LOCATION: (4)..(11)
    81 <223> OTHER INFORMATION: NotI restriction site
    83 <220> FEATURE:
    84 <221> NAME/KEY: misc_feature
    85 <222> LOCATION: (36)..(65)
    86 <223> OTHER INFORMATION: "sense" oligonucleotide, corresponding to bases nos. 5518-
5547 of
    87         the HIV genome (accession no. NC 001802)
    89 <220> FEATURE:
    90 <221> NAME/KEY: misc_recomb
    91 <222> LOCATION: (68)..(73)
    92 <223> OTHER INFORMATION: XbaI restriction site
    94 <400> SEQUENCE: 3
    95 aaagcggccg cggaggagga agtggaggag gaggaggcag gaagaagcgg agacagcgac    60
    97 gaagaggtct agaaa                                                      75
   100 <210> SEQ ID NO: 4
   101 <211> LENGTH: 10
   102 <212> TYPE: PRT
   103 <213> ORGANISM: Artificial Sequence
   105 <220> FEATURE:
   106 <223> OTHER INFORMATION: basic region of HIV tat protein
   108 <400> SEQUENCE: 4
   110 Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
   111 1               5                   10
   114 <210> SEQ ID NO: 5
   115 <211> LENGTH: 75
   116 <212> TYPE: DNA
   117 <213> ORGANISM: Artificial Sequence
   119 <220> FEATURE:
   120 <223> OTHER INFORMATION: 3'-PCR primer for HIV tat basic region
   123 <220> FEATURE:
   124 <221> NAME/KEY: misc_feature
   125 <222> LOCATION: (1)..(75)
   126 <223> OTHER INFORMATION: complementary to pCAR(ex)TAT48-57 5'
   128 <400> SEQUENCE: 5
   129 tttctagacc tcttcgtcgc tgtctccgct tcttcctgcc tcctcctcct ccacttcctc    60
   131 ctccgcggcc gcttt                                                      75
   134 <210> SEQ ID NO: 6
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135 <211> LENGTH: 72
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: 5'-PCR primer for 9 Arg peptide
143 <220> FEATURE:
144 <221> NAME/KEY: misc_recomb
145 <222> LOCATION: (4)..(11)
146 <223> OTHER INFORMATION: NotI restriction site
148 <220> FEATURE:
149 <221> NAME/KEY: CDS
150 <222> LOCATION: (36)..(62)
151 <223> OTHER INFORMATION: Coding for 9 Arg ("RRRRRRRRR")
153 <220> FEATURE:
154 <221> NAME/KEY: misc_recomb
155 <222> LOCATION: (65)..(70)
156 <223> OTHER INFORMATION: XbaI restriction site
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160                                          Arg Arg Arg Arg Arg Arg
161                                          1           5
163 aga cgt aga ggtctagaaa                                               72
164 Arg Arg Arg
168 <210> SEQ ID NO: 7
169 <211> LENGTH: 9
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: 5'-PCR primer for 9 Arg peptide
176 <400> SEQUENCE: 7
178 Arg Arg Arg Arg Arg Arg Arg Arg Arg
179 1               5
182 <210> SEQ ID NO: 8
183 <211> LENGTH: 72
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: 3'-PCR primer for 9 Arg peptide
191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: (1)..(72)
194 <223> OTHER INFORMATION: complementary to pCAR(ex)-9xArg 5'
196 <400> SEQUENCE: 8
197 tttctagacc tctacgtctc cttctccgtc ggcgacgtcc tcctcctcca cttcctcctc    60
199 cgcggccgct tt                                                        72
202 <210> SEQ ID NO: 9
203 <211> LENGTH: 80
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
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207 <220> FEATURE:
208 <223> OTHER INFORMATION: 5'-PCR primer for antennapedia homeobox-protein fragment
211 <220> FEATURE:
212 <221> NAME/KEY: misc_recomb
213 <222> LOCATION: (3)..(10)
214 <223> OTHER INFORMATION: NotI restriction site
216 <220> FEATURE:
217 <221> NAME/KEY: misc_feature
218 <222> LOCATION: (23)..(70)
219 <223> OTHER INFORMATION: partial coding sequence of Euprymna scolopes antennapedia
220       homeodomain protein (accession no.: AY052758), coding for amino
221       acids 62-77
223 <220> FEATURE:
224 <221> NAME/KEY: misc_recomb
225 <222> LOCATION: (73)..(78)
226 <223> OTHER INFORMATION: XbaI restriction site
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229 aagcggccgc ggaggaggag gaagacagat caaaatatgg ttccaaaacc ggcgcatgaa      60
231 atggaagaaa ggtctagaaa                                                  80
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235 <211> LENGTH: 16
236 <212> TYPE: PRT
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: antennapedia homeobox protein fragment from Euprymna
scolopes
242 <400> SEQUENCE: 10
244 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
245 1               5                   10                  15
248 <210> SEQ ID NO: 11
249 <211> LENGTH: 80
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: 3'-PCR primer for antennapedia homeobox-protein fragment
257 <220> FEATURE:
258 <221> NAME/KEY: misc_feature
259 <222> LOCATION: (1)..(80)
260 <223> OTHER INFORMATION: complementary to pCAR(ex)-AntP62-77 5'
262 <400> SEQUENCE: 11
263 tttctagacc tttcttccat ttcatgcgcc ggttttggaa ccatattttg atctgtcttc      60
265 ctcctcctcc gcggccgctt                                                  80
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VERIFICATION SUMMARY   DATE: 06/27/2006
PATENT APPLICATION: **US/10/583,249**   TIME: 12:21:03

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date